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OM nucleic - nucleic search, using sw model

Run on: October 14, 2005, 20:43:00 ; Search time 191 Seconds
(without alignments)
6673.610 Million cell updates/sec

Title: US-09-721-183-5
Perfect score: 779
Sequence: 1 Gtatactctttttaatac.....gaaactgtcagaagcaaaaa 779

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	727	93.3	2030	4	US-09-451-739H-15
2	725.8	93.2	2232	4	US-09-620-405B-491
3	725.8	93.2	2232	4	US-09-834-759-491
4	725.8	93.2	3288	4	US-09-620-405B-490
5	725.8	93.2	3288	4	US-09-834-759-490
6	725.8	93.2	3681	4	US-09-620-405B-463
7	725.8	93.2	3681	4	US-09-433-826B-463
8	725.8	93.2	3681	4	US-09-604-287A-463
9	725.8	93.2	3681	4	US-09-834-759-463
10	725.8	93.2	3681	4	US-09-590-751A-463
11	725.8	93.2	3681	4	US-09-551-621-463
12	725.8	93.2	3865	4	US-09-620-405B-474
13	725.8	93.2	3865	4	US-09-604-287A-474
14	725.8	93.2	3865	4	US-09-834-759-474
15	725.8	93.2	3865	4	US-09-590-751A-474
16	725.8	93.2	3865	4	US-09-551-621-474
17	723.8	92.9	1337	4	US-09-620-405B-467
18	723.8	92.9	1337	4	US-09-433-826B-467
19	723.8	92.9	1337	4	US-09-604-287A-467
20	723.8	92.9	1337	4	US-09-834-759-467
21	723.8	92.9	1337	4	US-09-590-751A-467
22	723.8	92.9	1337	4	US-09-551-621-467
23	723.8	92.9	2307	4	US-09-620-405B-468
24	723.8	92.9	2307	4	US-09-433-826B-468
25	723.8	92.9	2307	4	US-09-604-287A-468
26	723.8	92.9	2307	4	US-09-834-759-468
27	723.8	92.9	2307	4	US-09-590-751A-468

28	723.8	92.9	2307	4	US-09-551-621-468	Sequence 468, App
29	547.2	70.2	1729	4	US-09-620-405B-466	Sequence 466, App
30	547.2	70.2	1729	4	US-09-433-826B-466	Sequence 466, App
31	547.2	70.2	1729	4	US-09-604-287A-466	Sequence 466, App
32	547.2	70.2	1729	4	US-09-834-759-466	Sequence 466, App
33	547.2	70.2	1729	4	US-09-590-751A-466	Sequence 466, App
34	547.2	70.2	1729	4	US-09-551-621-466	Sequence 466, App
35	414.6	53.2	1665	4	US-09-389-681-178	Sequence 178, App
36	414.6	53.2	1665	4	US-09-620-405B-178	Sequence 178, App
37	414.6	53.2	1665	4	US-09-339-338-178	Sequence 178, App
38	414.6	53.2	1665	4	US-09-433-826B-178	Sequence 178, App
39	414.6	53.2	1665	4	US-09-604-287A-178	Sequence 178, App
40	414.6	53.2	1665	4	US-09-285-480-178	Sequence 178, App
41	414.6	53.2	1665	4	US-09-834-759-178	Sequence 178, App
42	414.6	53.2	1665	4	US-09-590-751A-178	Sequence 178, App
43	414.6	53.2	1665	4	US-09-551-621-178	Sequence 178, App
44	236.6	30.4	1424	4	US-09-620-405B-464	Sequence 464, App
45	236.6	30.4	1424	4	US-09-433-826B-464	Sequence 464, App

ALIGNMENTS

RESULT 1

US-09-451-739H-15
; Sequence 15, Application US/09451739H
; Patent No. 6774226
; GENERAL INFORMATION:
; APPLICANT: Jager, Dirk
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gure, Ali
; APPLICANT: Jager, Elke
; APPLICANT: Knuth, Alexander
; APPLICANT: Old, Lloyd
; APPLICANT: Chen, Yao-tseng
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated Antigen
; TITLE OF INVENTION: the Antigens per se, and Uses Thereof
; FILE REFERENCE: LUD 5615
; CURRENT APPLICATION NUMBER: US/09/451.739H
; CURRENT FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 19
; SEQ ID NO 15
; LENGTH: 2030
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1628, 1752, 1758, 1769, 1789, 1873, 1908, 1915, 1933, 1970,
; LOCATION: 1976,2022
; OTHER INFORMATION: unknown nucleotides at positions 1628, 1752, 1758,
; OTHER INFORMATION: 1769, 1789, 1873, 1908, 1915, 1933, 1970, 1976, 2022
US-09-451-739H-15

Query Match 93.3%; Score 727; DB 4; Length 2030;
Best Local Similarity 98.7%; Pred. No. 1.3e-185;
Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy	36	CCATTTAGCTGCCCATTCGAAATGCAAAAGTCTGTTCCAAATATAAGCCTTGAATTTGAAGA	95
Db	124	CTTCGAGCTGCCCATTCGAAATGCAAAAGTCTGTTCCAAATATAAGCCTTGAATTTGAAGA	183
Qy	96	ATGAACAAACATTGAGAGCAGATCAGATATCTCCCATCAGATCCAAACAAAGGACTATG	155
Db	184	ATGAACAAACATTGAGAGCAGATCAGATATCTCCCATCAGATCCAAACAAAGGACTATG	243
Qy	156	AAGAAAGTCTTGGGATTCGAGAGTCTGAGAGCTGTTTCACAGAGGATCTGTCTT	215
Db	244	AAGAAAGTCTTGGGATTCGAGAGTCTGAGAGTCTGTTTCACAGAGGATCTGTCTT	303
Qy	216	TACCCAAAGGCTACACATCAAAAAGAAATAGATAAAATGAAAAATTAGAAAGGCTCTC	275
Db	304	TACCCAAAGGCTACACATCAAAAAGAAATAGATAAAATGAAAAATTAGAAAGGCTCTC	363


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QY 36 CCATTTAGCTGCGCATTTGAAATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTAAGA 95
Db 1373 CTTTCAGGCTGCGCATTTGAAATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTAAGA 1432
QY 96 ATGAACAAACATTTGAGCAGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 155
Db 1433 ATGAACAAACATTTGAGCAGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1492
QY 156 AAGAAAGTTCTTGGGATTTCTGAGATCTCTGTGAGACTGTTTTCACAGAGAGGATGTTGTT 215
Db 1493 AAGAAAGTTCTTGGGATTTCTGAGATCTCTGTGAGACTGTTTTCACAGAGAGGATGTTGTT 1552
QY 216 TACCCAGGCTACATCAAAAGAAATAGATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 275
Db 1553 TACCCAGGCTACATCAAAAGAAATAGATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 1612
QY 276 CTGTTAAAGATGCTTCTGAAAGGCTTAACTGCGGATGAAATGAAATGAAATGAAATGAAATG 335
Db 1613 CTGTTAAAGATGCTTCTGAAAGGCTTAACTGCGGATGAAATGAAATGAAATGAAATGAAATG 1672
QY 336 CCTTAGAATTTGATGAGATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGAATG 455
Db 1673 CCTTAGAATTTGATGAGATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGAATG 1732
QY 396 TCGAGCTGCGCATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 455
Db 1733 TCGAGCTGCGCATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 1792
QY 456 AACAAACATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 515
Db 1793 AACAAACATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 1852
QY 516 AAAATTTCTTGGGATTTCTGAGACTCTCCGTGAGACTGTTTTCACAGAGAGGATGTTGTTGATC 575
Db 1853 AAAATTTCTTGGGATTTCTGAGACTCTCCGTGAGACTGTTTTCACAGAGAGGATGTTGTTGATC 1912
QY 576 CCAAGGCTACACATCAAAAGAAATGGATAAATAAAGTGGAAATTTAGAAGATTTCAACTA 635
Db 1913 CCAAGGCTACACATCAAAAGAAATGGATAAATAAAGTGGAAATTTAGAAGATTTCAACTA 1972
QY 636 GCCTATCAAAATCTTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 695
Db 1973 GCCTATCAAAATCTTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2032
QY 696 ATCACTGTGAACACCTGACAGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAAATGGA 755
Db 2033 ATCACTGTGAACACCTGACAGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAAATGGA 2092
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RESULT 4

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US-09-620-405B-490
; Sequence 490, Application US/09620405B
; Patent No. 6528054
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; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
```

```
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
```

```
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
```

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; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
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; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
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; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 490
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; LENGTH: 3288
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-620-405B-490
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Query Match 93.2%; Score 725.8; DB 4; Length 3288;
Best Local Similarity 98.3%; Pred. No. 3.2e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;
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QY 36 CCATTTAGCTGCGCATTTGAAATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGA 95
Db 1373 CTTTCAGGCTGCGCATTTGAAATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGA 1432
QY 96 ATGAACAAACATTTGAGCAGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 155
Db 1433 ATGAACAAACATTTGAGCAGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1492
QY 156 AAGAAAGTTCTTGGGATTTCTGAGATCTCTGTGAGACTGTTTTCACAGAGAGGATGTTGTT 215
Db 1493 AAGAAAGTTCTTGGGATTTCTGAGATCTCTGTGAGACTGTTTTCACAGAGAGGATGTTGTT 1552
QY 216 TACCCAGGCTACATCAAAAGAAATAGATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 275
Db 1553 TACCCAGGCTACATCAAAAGAAATAGATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 1612
QY 276 CTGTTAAAGATGCTTCTGAAAGGCTTAACTGCGGATGAAATGAAATGAAATGAAATGAAATG 335
Db 1613 CTGTTAAAGATGCTTCTGAAAGGCTTAACTGCGGATGAAATGAAATGAAATGAAATGAAATG 1672
QY 336 CCTTAGAATTTGATGAGATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGAATG 395
Db 1673 CCTTAGAATTTGATGAGATGCAAAAGTCTGTTCCTCAAAATAAAGCCTTTGGAATTTGAAGAATG 1732
QY 396 TCGAGCTGCGCATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 455
Db 1733 TCGAGCTGCGCATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 1792
QY 456 AACAAACATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 515
Db 1793 AACAAACATTTGAGCAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATG 1852
QY 516 AAAATTTCTTGGGATTTCTGAGACTCTCCGTGAGACTGTTTTCACAGAGAGGATGTTGTTGATC 575
Db 1853 AAAATTTCTTGGGATTTCTGAGACTCTCCGTGAGACTGTTTTCACAGAGAGGATGTTGTTGATC 1912
QY 576 CCAAGGCTACACATCAAAAGAAATGGATAAATAAAGTGGAAATTTAGAAGATTTCAACTA 635
Db 1913 CCAAGGCTACACATCAAAAGAAATGGATAAATAAAGTGGAAATTTAGAAGATTTCAACTA 1972
QY 636 GCCTATCAAAATCTTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 695
Db 1973 GCCTATCAAAATCTTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2032
QY 696 ATCACTGTGAACACCTGACAGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAAATGGA 755
Db 2033 ATCACTGTGAACACCTGACAGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAAATGGA 2092
QY 756 AAAAGAAACTGTCAGAGCAAAA 778
Db 2093 AAAAGAAACTGTCAGAGCAAAA 2115
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RESULT 5

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US-09-834-759-490
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; Sequence 490, Application US/09834759
; Patent No. 6680197
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; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
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```
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
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; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
```

```
; APPLICANT: Hepler, William T.
```

; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 490
; LENGTH: 3288
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-834-759-490

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Query Match      93.2%; Score 725.8; DB 4; Length 3288;
Best Local Similarity 98.3%; Pred. No. 3.2e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

Qy 36 CCATTAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
Db 1373 CCTTCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 1432

Qy 96 ATGAACAAACATTGAGAGCAGATGAGATACCTCCATCAGAAATCCAAACAAAGGACTATG 155
Db 1433 ATGAACAAACATTGAGAGCAGATGAGATACCTCCATCAGAAATCCAAACAAAGGACTATG 1492

Qy 156 AAGAAGTTCTTGGGATCTGAGACTCTGTGAGACTGTTTCACAGAGGATGTGTGT 215
Db 1493 AAGAAGTTCTTGGGATCTGAGAGTCTGTGAGACTGTTTCACAGAGGATGTGTGT 1552

Qy 216 TACCACAAAGCTACACATCAAAAGAAATAGATATAAATAAATGGAATTTAGAAAGGCTCTC 275
Db 1553 TACCACAAAGCTACACATCAAAAGAAATAGATATAAATAAATGGAATTTAGAAAGTCTC 1612

Qy 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTGTCTATTCCAACTAAAG 335
Db 1613 CTGATAATGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTGTCTATTCCAACTAAAG 1672

Qy 336 CCTTAGAATTGATGACATGCAAACTTTCAAGCAGAGCCTCCCGAGAGCCATCTGCCT 395
Db 1673 CCTTAGAATTGATGACATGCAAACTTTCAAGCAGAGCCTCCCGAGAGCCATCTGCCT 1732

Qy 396 TCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 455
Db 1733 TCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 1792

Qy 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAAACAAAGAGGTTGAAG 515
Db 1793 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAAACAAAGAGGTTGAAG 1852

Qy 516 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 575
Db 1853 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 1912

Qy 576 CCAAGGCTACACATCAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 635
Db 1913 CCAAGGCTACACATCAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 1972

Qy 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTAAGAGCAAGGAACTTCAAAAAG 695
Db 1973 GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTAAGAGCAAGGAACTTCAAAAAG 2032

Qy 696 ATCACTGTGAACAACGTCAGGAAAAATGGAAACAAATGGAACAAATGGAAGGTTTTGTGTACTGA 755
Db 2033 ATCACTGTGAACAACGTCAGGAAAAATGGAAACAAATGGAACAAATGGAAGGTTTTGTGTACTGA 2092

Qy 756 AAAAGAAATCTGTGAGAAGCAAAA 778
Db 2093 AAAAGAAATCTGTGAGAAGCAAAA 2115
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RESULT 6
US-09-620-405B-463

; Sequence 463, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 463
; LENGTH: 3681
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-620-405B-463

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Query Match      93.2%; Score 725.8; DB 4; Length 3681;
Best Local Similarity 98.3%; Pred. No. 3.4e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

Qy 36 CCATTAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
Db 1645 CCTTCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 1704

Qy 96 ATGAACAAACATTGAGAGCAGATGAGATACCTCCATCAGAAATCCAAACAAAGGACTATG 155
Db 1705 ATGAACAAACATTGAGAGCAGATGAGATACCTCCATCAGAAATCCAAACAAAGGACTATG 1764

Qy 156 AAGAAGTTCTTGGGATCTGAGAGTCTGTGAGACTGTTTCACAGAGGATGTGTGT 215
Db 1765 AAGAAGTTCTTGGGATCTGAGAGTCTGTGAGACTGTTTCACAGAGGATGTGTGT 1824

Qy 216 TACCACAAAGCTACACATCAAAAGAAATAGATATAAATAAATGGAATTTAGAAAGGCTCTC 275
Db 1825 TACCACAAAGCTACACATCAAAAGAAATAGATATAAATAAATGGAATTTAGAAAGGCTCTC 1884

Qy 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTGTCTATTCCAACTAAAG 335
Db 1885 CTGATAATGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTGTCTATTCCAACTAAAG 1944

Qy 336 CCTTAGAATTGATGGAATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 395
Db 1945 CCTTAGAATTGATGGAATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 2004

Qy 396 TCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 455
Db 2005 TCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 2064

Qy 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAAACAAAGAGGTTGAAG 515
Db 2065 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAAACAAAGAGGTTGAAG 2124

Qy 516 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 575
Db 2125 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 2184

Qy 576 CCAAGGCTACACATCAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 635
Db 2185 CCAAGGCTACACATCAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 2244

Qy 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTAAGAGCAAGGAACTTCAAAAAG 695
Db 2245 GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTAAGAGCAAGGAACTTCAAAAAG 2304

Qy 696 ATCACTGTGAACAACGTCAGGAAAAATGGAAACAAATGGAACAAATGGAAGGTTTTGTGTACTGA 755
Db 2305 ATCACTGTGAACAACGTCAGGAAAAATGGAAACAAATGGAACAAATGGAAGGTTTTGTGTACTGA 2364
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QY 516 AAAATTTCTTGGGATCTCAGAGTCTCCGTCAGACTGTTTCACAGAGGATGTGTGTAC 575
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Db 2125 AAAATTTCTTGGGATCTCAGAGTCTCCGTCAGACTGTTTCACAGAGGATGTGTGTAC 2184
|||||
QY 576 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 635
|||||
Db 2185 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 2244
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QY 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGCAAGGGAACCTTCAAAAAG 695
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Db 2245 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGCAAGGGAACCTTCAAAAAG 2304
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QY 696 ATCACTGTGAACAACGTCAGGAAAAATGGAACAAATGAAAGAAAGTCTTGTGTACTGA 755
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Db 2305 ATCACTGTGAACAACGTCAGGAAAAATGGAACAAATGGAACAAATGGAAGAAAGTCTTGTGTACTGA 2364
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QY 756 AAAAGAAACTGTCAGAAGCAAAA 778
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Db 2365 AAAAGAAACTGTCAGAAGCAAAA 2387
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RESULT 9
US-09-834-759-463
; Sequence 463, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 463
; LENGTH: 3681
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-834-759-463

Query Match 93.2%; Score 725.8; DB 4; Length 3681;
Best Local Similarity 98.3%; Pred. No. 3.4e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
|||||
Db 1645 CCTTCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 1704
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QY 96 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAAATCCAAACAAAGGACTATG 155
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Db 1705 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAAATCCAAACAAAGGACTATG 1764
|||||
QY 156 AAGAAAGTCTTGGGATCTCAGAGTCTCTGTGAGACTGTTTCAAGAGGATGTGTGT 215
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Db 1765 AAGAAAGTCTTGGGATCTCAGAGTCTCTGTGAGACTGTTTCAAGAGGATGTGTGT 1824
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QY 216 TACCAAGGCTACACATCAAAAAGAAATAGATAAAATGAAATTAAGAAAGGCTCTC 275
|||||
Db 1825 TACCAAGGCTACACATCAAAAAGAAATAGATAAAATGAAATTAAGAAAGGCTCTC 1884
|||||
QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTCTTCTATTCCAACTAAAG 335
|||||
Db 1885 CTGATAATGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTCTTCTATTCCAACTAAAG 1944
|||||
QY 336 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCATCTGCCT 395
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Db 1945 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCATCTGCCT 2004
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QY 396 TCGAGCCTGCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGATG 455
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Db 2005 TCGAGCCTGCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGATG 2064
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QY 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAAACAAAGAGGTTGAAG 515
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Db 2065 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAAACAAAGAGGTTGAAG 2124
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QY 516 AAAATTTCTTGGGATCTCAGAGTCTCCGTCAGACTGTTTCACAGAGGATGTGTGTAC 575
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Db 2125 AAAATTTCTTGGGATCTCAGAGTCTCCGTCAGACTGTTTCACAGAGGATGTGTGTAC 2184
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QY 576 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 635
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Db 2185 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 2244
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QY 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGCAAGGGAACCTTCAAAAAG 695
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Db 2245 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGCAAGGGAACCTTCAAAAAG 2304
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QY 696 ATCACTGTGAACAACGTCAGGAAAAATGGAACAAATGGAACAAATGGAAGAAAGTCTTGTGTACTGA 755
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Db 2305 ATCACTGTGAACAACGTCAGGAAAAATGGAACAAATGGAACAAATGGAAGAAAGTCTTGTGTACTGA 2364
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QY 756 AAAAGAAACTGTCAGAAGCAAAA 778
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Db 2365 AAAAGAAACTGTCAGAAGCAAAA 2387
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RESULT 10
US-09-590-751A-463
; Sequence 463, Application US/09590751A
; Patent No. 6756477
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C6
; CURRENT APPLICATION NUMBER: US/09/590,751A
; CURRENT FILING DATE: 2000-06-08
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 463
; LENGTH: 3681
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-590-751A-463

Query Match 93.2%; Score 725.8; DB 4; Length 3681;
Best Local Similarity 98.3%; Pred. No. 3.4e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
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Db 1645 CCTTCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 1704
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QY 96 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAAATCCAAACAAAGGACTATG 155
|||||
Db 1705 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAAATCCAAACAAAGGACTATG 1764
|||||
QY 156 AAGAAAGTCTTGGGATCTCAGAGTCTCTGTGAGACTGTTTTCAGAGGATGTGTGT 215
|||||
Db 1765 AAGAAAGTCTTGGGATCTCAGAGTCTCTGTGAGACTGTTTTCAGAGGATGTGTGT 1824
|||||
QY 216 TACCAAGGCTACACATCAAAAAGAAATAGATAAAATGAAATTAAGAAAGGCTCTC 275
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Db 1825 TACCAAGGCTACACATCAAAAAGAAATAGATAAAATGAAATTAAGAAAGGCTCTC 1884
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Best Local Similarity 98.3%; Pred. No. 3.5e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTAGCCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGA 95
Db 1645 CCTTCGAGCCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGA 1704

QY 96 ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAAATCCAAACAAAAGGACTATG 155
Db 1705 ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAAATCCAAACAAAAGGACTATG 1764

QY 156 AAGAAGATTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 215
Db 1765 AAGAAGATTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 1824

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAGGGTCTC 275
Db 1825 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAGGGTCTC 1884

QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTCATTTCCTCAAACTAAAG 335
Db 1885 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCAGATGAAAGTTCATTTCCTCAAACTAAAG 1944

QY 336 CTTTGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 395
Db 1945 CTTTGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 2004

QY 396 TCGAGGCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGAATG 455
Db 2005 TCGAGGCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGAATG 2064

QY 456 ACAAACATTTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAACAAAAGAGGTTGAAG 515
Db 2065 ACAAACATTTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAACAAAAGAGGTTGAAG 2124

QY 516 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 575
Db 2125 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 2184

QY 576 CCAAGGCTACACATCAAAAGAAATGGATAAAATAGTGGAAATTTAGAGATTCACACTA 635
Db 2185 CCAAGGCTACACATCAAAAGAAATGGATAAAATAGTGGAAATTTAGAGATTCACACTA 2244

QY 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGACCAAGGGAACCTTCAAAAAG 695
Db 2245 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGACCAAGGGAACCTTCAAAAAG 2304

QY 696 ATCACTGTGAACAACGTACAGAAATAATGGAAACAAATGGAACAAAAGTTTGTGTACTGA 755
Db 2305 ATCACTGTGAACAACGTACAGAAATAATGGAAACAAATGGAACAAAAGTTTGTGTACTGA 2364

QY 756 AAAAGAAACTGTCAGAGCAAAA 778
Db 2365 AAAAGAAACTGTCAGAGCAAAA 2387
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RESULT 13
US-09-604-287A-474
; Sequence 474, Application US/09604287A
; Patent No. 6586572
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 474
; LENGTH: 3865
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2448)...(2631)
; OTHER INFORMATION: 184 bp insert of B726P splice form
US-09-604-287A-474
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Query Match 93.2%; Score 725.8; DB 4; Length 3865;
Best Local Similarity 98.3%; Pred. No. 3.5e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTAGCCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGA 95
Db 1645 CCTTCGAGCCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGA 1704

QY 96 ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAAATCCAAACAAAAGGACTATG 155
Db 1705 ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAAATCCAAACAAAAGGACTATG 1764

QY 156 AAGAAGATTCTTGGGATCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 215
Db 1765 AAGAAGATTCTTGGGATCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 1824

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAGGGTCTC 275
Db 1825 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAGGGTCTC 1884

QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTCATTTCCTCAAACTAAAG 335
Db 1885 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCAGATGAAAGTTCATTTCCTCAAACTAAAG 1944

QY 336 CTTTGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 395
Db 1945 CTTTGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAGCCATCTGCCT 2004

QY 396 TCGAGGCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGAATG 455
Db 2005 TCGAGGCTGCCATTGAAATGCAAAAGCTGTTCCTCAAAATAAAGCCTTGGAAATTGAAGAATG 2064

QY 456 ACAAACATTTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAACAAAAGAGGTTGAAG 515
Db 2065 ACAAACATTTGAGAGCAGATCAGATGTTCCCTTCAGAAATCAAAACAAAAGAGGTTGAAG 2124

QY 516 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 575
Db 2125 AAAATTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 2184

QY 576 CCAAGGCTACACATCAAAAGAAATGGATAAAATAGTGGAAATTTAGAGATTCACACTA 635
Db 2185 CCAAGGCTACACATCAAAAGAAATGGATAAAATAGTGGAAATTTAGAGATTCACACTA 2244

QY 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGACCAAGGGAACCTTCAAAAAG 695
Db 2245 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAAGACCAAGGGAACCTTCAAAAAG 2304

QY 696 ATCACTGTGAACAACGTACAGAAATAATGGAAACAAATGGAACAAAAGTTTGTGTACTGA 755
Db 2305 ATCACTGTGAACAACGTACAGAAATAATGGAAACAAATGGAACAAAAGTTTGTGTACTGA 2364

QY 756 AAAAGAAACTGTCAGAGCAAAA 778
Db 2365 AAAAGAAACTGTCAGAGCAAAA 2387
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RESULT 14
US-09-834-759-474
; Sequence 474, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:
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; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834, 759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 474
; LENGTH: 3865
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2448)...(2631)
; OTHER INFORMATION: 184 bp insert of B726P splice form
US-09-834-759-474

Query Match          93.2%; Score 725.8; DB 4; Length 3865;
Best Local Similarity 98.3%; Pred. No. 3.5e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCTGCGCATTAAGATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGA 95
DB 1645 CCTTCAGCGCTGCCATTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGA 1704

QY 96 ATGAACAAACATTGAGACGAGATGAGATATCCCATCAGAATCCAAACAAAGGACTATG 155
DB 1705 ATGAACAAACATTGAGACGAGATGAGATATCCCATCAGAATCCAAACAAAGGACTATG 1764

QY 156 AAGAAAGTCTTGGGATTCGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 215
DB 1765 AAGAAAGTCTTGGGATTCGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 1824

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGAAATTTAGAAAGGCTCTC 275
DB 1825 TACCCAGGCTRCRCATCAAAAGAAATAGATAAAATAAATGAAATTTAGAAAGGCTCTC 1884

QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACCTAAAG 335
DB 1885 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCAGAATGAAAGTTTCTATTCCAACCTAAAG 1944

QY 336 CTTTAGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAAGCCATCTGCCT 395
DB 1945 CTTTAGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAAGCCATCTGCCT 2004

QY 396 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGAATG 455
DB 2005 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGAATG 2064

QY 456 AACAAACATTGAGACGAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 515
DB 2065 AACAAACATTGAGACGAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 2124

QY 516 AAAATTCCTGGGATTCGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 575
DB 2125 AAAATTCCTGGGATTCGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 2184

QY 576 CCAAGGCTACATCAAAAGAAATGGAATAAATAAGTGAATAATTTAGAAAGATTCACACTA 635
DB 2185 CCAAGGCTACATCAAAAGAAATGGAATAAATAAGTGAATAATTTAGAAAGATTCACACTA 2244

QY 636 GCCTATCAAAAATCTTTGGATACAGTTTCATTCTTTGTGAAAGAGCAAGGGAACCTCAAAAAG 695
DB 2245 GCCTATCAAAAATCTTTGGATACAGTTTCATTCTTTGTGAAAGAGCAAGGGAACCTCAAAAAG 2304

QY 696 ATCACTGTGAACACGTCACAGGAAATAATGGAACAAATGAAAGAAAGTTTGTGTACTGA 755

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; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834, 759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 474
; LENGTH: 3865
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2448)...(2631)
; OTHER INFORMATION: 184 bp insert of B726P splice form
US-09-834-759-474

Query Match          93.2%; Score 725.8; DB 4; Length 3865;
Best Local Similarity 98.3%; Pred. No. 3.5e-185;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCTGCGCATTAAGATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGA 95
DB 1645 CCTTCAGCGCTGCCATTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGA 1704

QY 96 ATGAACAAACATTGAGACGAGATGAGATATCCCATCAGAATCCAAACAAAGGACTATG 155
DB 1705 ATGAACAAACATTGAGACGAGATGAGATATCCCATCAGAATCCAAACAAAGGACTATG 1764

QY 156 AAGAAAGTCTTGGGATTCGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 215
DB 1765 AAGAAAGTCTTGGGATTCGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 1824

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATAAATGAAATTTAGAAAGGCTCTC 275
DB 1825 TACCCAGGCTRCRCATCAAAAGAAATAGATAAAATAAATGAAATTTAGAAAGGCTCTC 1884

QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACCTAAAG 335
DB 1885 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCAGAATGAAAGTTTCTATTCCAACCTAAAG 1944

QY 336 CTTTAGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAAGCCATCTGCCT 395
DB 1945 CTTTAGAATTTGATGGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAAGCCATCTGCCT 2004

QY 396 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGAATG 455
DB 2005 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATGAAGAATG 2064

QY 456 AACAAACATTGAGACGAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 515
DB 2065 AACAAACATTGAGACGAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 2124

QY 516 AAAATTCCTGGGATTCGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 575
DB 2125 AAAATTCCTGGGATTCGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 2184

QY 576 CCAAGGCTACATCAAAAGAAATGGAATAAATAAGTGAATAATTTAGAAAGATTCACACTA 635
DB 2185 CCAAGGCTACATCAAAAGAAATGGAATAAATAAGTGAATAATTTAGAAAGATTCACACTA 2244

QY 636 GCCTATCAAAAATCTTTGGATACAGTTTCATTCTTTGTGAAAGAGCAAGGGAACCTCAAAAAG 695
DB 2245 GCCTATCAAAAATCTTTGGATACAGTTTCATTCTTTGTGAAAGAGCAAGGGAACCTCAAAAAG 2304

QY 696 ATCACTGTGAACACGTCACAGGAAATAATGGAACAAATGAAAGAAAGTTTGTGTACTGA 755

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Db	2125	AAAAATCTTTGGGATTCTGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC	2184
Qy	576	CCAAGGCTACACATCAAAAGAAATGGATAAAATTAAGTGGAAATTAGAAGATTCAACTA	635
Db	2185	CCAAGGCTACACATCAAAAGAAATGGATAAAATTAAGTGGAAATTAGAAGATTCAACTA	2244
Qy	636	GCCTATCAAAAATCTTTGGATACAGATTCAATCTTTGTGAAAAGCAAGGGAACTTCAAAAAG	695
Db	2245	GCCTATCAAAAATCTTTGGATACAGATTCAATCTTTGTGAAAAGCAAGGGAACTTCAAAAAG	2304
Qy	696	ATCACTGTGAACAACGTACAGGAAAAATGGAACAAATGAAAAAGAGTTTTGTGTACTGA	755
Db	2305	ATCACTGTGAACAACGTACAGGAAAAATGGAACAAATGAAAAAGAGTTTTGTGTACTGA	2364
Qy	756	AAAAGAACTGTCAGAGCAAAA	778
Db	2365	AAAAGAACTGTCAGAGCAAAA	2387

Search completed: October 14, 2005, 23:24:52
Job time : 194 secs

[illegible]

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RESULT 1
US-10-133-757-3
; Sequence 3, Application US/10133757
; Publication No. US20030104418A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Chao
; APPLICANT: Mahini, Behzad
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: DIAGNOSTIC MARKERS FOR BREAST CANCER
; FILE REFERENCE: PB-0021 US
; CURRENT APPLICATION NUMBER: US/10/133,757
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/287,153
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 2043
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030104418A1 411152
US-10-133-757-3

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APPLICANT: Scanlan, Matthew
APPLICANT: Gure, Ali
APPLICANT: Knuth, Alexander
APPLICANT: Old, Lloyd
APPLICANT: Chen, Yao-tseng
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated Antigen
TITLE OF INVENTION: Antigens Per Se, and Uses Thereof
FILE REFERENCE: LUD 5793.1
CURRENT APPLICATION NUMBER: US/10/729,340C
CURRENT FILING DATE: 2003-12-04
PRIOR APPLICATION NUMBER: US 60/430,869
PRIOR FILING DATE: 2002-12-04
PRIOR APPLICATION NUMBER: US 10/181,663
PRIOR FILING DATE: 2000-11-29
PRIOR APPLICATION NUMBER: US 09/602,362
PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: US 09/451,739
PRIOR FILING DATE: 1999-11-30
NUMBER OF SEQ ID NOS: 32
SEQ ID NO 15
LENGTH: 2030
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 1628, 1752, 1758, 1769, 1789, 1873, 1908, 1915, 1933, 1970,
LOCATION: 1976, 2022
OTHER INFORMATION: n is unknown
US-10-729-340C-15

Query Match 93.3%; Score 727; DB 21; Length 2030;
Best Local Similarity 98.7%; Pred. No. 1.4e-171;
Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
DB 124 CTTTCGAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGA 183
QY 96 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAGGACTATG 155
DB 184 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAGGACTATG 243
QY 156 AGAAGATCTTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 215
DB 244 AAGAAGATCTTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 303
QY 216 TACCAAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAAAGGTCTC 275
DB 304 TACCAAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAAAGGTCTC 363
QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG 335
DB 364 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCGAATGAAAGTTTCTATTCCAACTAAAG 423
QY 336 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCCATCTGCCT 395
DB 424 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCCATCTGCCT 483
QY 396 TCGAGCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 455
DB 484 TCGAGCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 543
QY 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 515
DB 544 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 603
QY 516 AAAATTTCTGGATTTCTGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 575
DB 604 AAAATTTCTGGATTTCTGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 663
QY 576 CCAAGGCTACACATCAAAAGAAATGGATAAAATAAAGTGGAAATTTAGAAGATTCACACTA 635
DB 664 CCAAGGCTACACATCAAAAGAAATGGATAAAATAAAGTGGAAATTTAGAAGATTCACACTA 723

QY 636 GCCTATCAAAAATCTTGGATACAGTTCAATTTGTGAAAGAGCAAGGAACTTCAAAAAG 695
DB 724 GCCTATCAAAAATCTTGGATACAGTTCAATTTGTGAAAGAGCAAGGAACTTCAAAAAG 783
QY 696 ATCACTGTGAAACACGTACAGAAAAATGGAAACAATGAAAGAGATTTTGTGTACTGA 755
DB 784 ATCACTGTGAAACACGTACAGAAAAATGGAAACAATGAAAGAGATTTTGTGTACTGA 843
QY 756 AAAAGAAACTGTGAGAAGCAAAA 778
DB 844 AAAAGAAACTGTGAGAAGCAAAA 866

RESULT 4
US-10-825-026-5
Sequence 5, Application US/10825026
Publication No. US2005011209A1
GENERAL INFORMATION:
APPLICANT: Aventis Pasteur, Ltd.
TITLE OF INVENTION: Tumor Antigen BPA-5 for Prevention and/or Treatment of Cancer
FILE REFERENCE: API-03-03-US
CURRENT APPLICATION NUMBER: US/10/825,026
CURRENT FILING DATE: 2004-04-15
PRIOR APPLICATION NUMBER: 60/462,945
PRIOR FILING DATE: 2004-04-15
NUMBER OF SEQ ID NOS: 106
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 4026
TYPE: DNA
ORGANISM: Homo sapiens
US-10-825-026-5

Query Match 93.3%; Score 727; DB 21; Length 4026;
Best Local Similarity 98.7%; Pred. No. 1.9e-171;
Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
DB 2111 CTTTCGAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGA 2170
QY 96 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAGGACTATG 155
DB 2171 ATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAGGACTATG 2230
QY 156 AAGAAGATCTTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 215
DB 2231 AAGAAGATCTTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGT 2290
QY 216 TACCAAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAAAGGTCTC 275
DB 2291 TACCAAGGCTACACATCAAAAGAAATAGATAAAATAAATGGAATTTAGAAAGGTCTC 2350
QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG 335
DB 2351 CTGATAATGATGGTCTTCTGAAGGCTCCCTGCGAATGAAAGTTTCTATTCCAACTAAAG 2410
QY 336 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCCATCTGCCT 395
DB 2411 CTTTGAATTTGATGACATGCAAACTTTCAAGAGAGGCTCCCGAGAGCCCATCTGCCT 2470
QY 396 TCGAGCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 455
DB 2471 TCGAGCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATTGAAGAATG 2530
QY 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 515
DB 2531 AACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAATCAAAACAAAGAGGTTGAAG 2590
QY 516 AAAATTTCTGGATTTCTGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 575
DB 2591 AAAATTTCTGGATTTCTGAGAGTCTCCGTGAGACTGTTTCACAGAAGGATGTGTGTAC 2650

QY 576 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAGTGGAATTTAGAGATTCAACTA 635
Db 2651 CCAAGGCTACACATCAAAAAGAAATGGATATAAATAGTGGAATTTAGAGATTCAACTA 2710
QY 636 GCCTATCAAAAATCTTTGGATACAGTTCAATCTTTGTGAAAGCAAGGGAACCTTCAAAAAG 695
Db 2711 GCCTATCAAAAATCTTTGGATACAGTTCAATCTTTGTGAAAGCAAGGGAACCTTCAAAAAG 2770
QY 696 ATCACTGTGAACAAGCTACAGAAATAATGGAACAAATGAAAGAAGTTTGTGTACTGA 755
Db 2771 ATCACTGTGAACAAGCTACAGAAATAATGGAACAAATGAAAGAAGTTTGTGTACTGA 2830
QY 756 AAAAGAAACTGTGCAAGCAAAA 778
Db 2831 AAAAGAAACTGTGCAAGCAAAA 2853

RESULT 5

US-10-007-805-566

; Sequence 566, Application US/10007805

; Publication No. US20020150581A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Xu, Jiangchun

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Durham, Margarita

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.470C10

; CURRENT APPLICATION NUMBER: US/10/007,805

; CURRENT FILING DATE: 2001-12-07

; NUMBER OF SEQ ID NOS: 593

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 566

; LENGTH: 4047

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-007-805-566

Query Match 93.3%; Score 727; DB 13; Length 4047;

Best Local Similarity 98.7%; Pred. No. 1.9e-171;

Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
Db 2135 CCTTCGAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 2194
QY 96 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGATCCCAACAAAGAGACTATG 155
Db 2195 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGATCCCAACAAAGAGACTATG 2254
QY 156 AAGAAAGTTCTTGGGATTTCTGAGACTCTCTGTGAGACTGTTTTCACAGAAGGATGTGTGT 215
Db 2255 AAGAAAGTTCTTGGGATTTCTGAGACTCTCTGTGAGACTGTTTTCACAGAAGGATGTGTGT 2314
QY 216 TACCAAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATTTAGAGAGGCTCTC 275
Db 2315 TACCAAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATTTAGAGAGGCTCTC 2374
QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG 335
Db 2375 CTGATAATGATGTTTCTGAAGGCTCCCTGCAGATGAAAGTTTCTATTCCAACTAAAG 2434
QY 336 CCTTGAATTTGATGACATGCAAACTTTCAAGCAGAGCCTCCCGAGAGCCATCTGCCT 395
|||||

Db 2435 CTTTAGAATTTGATGGACATGCAAACTTTTAAAGCAGAGCCTCCCGAGAAGCCATCTGCCT 2494
QY 396 TCGAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGATG 455
Db 2495 TCGAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGATG 2554
QY 456 AACAAAACATTGAGAGCAGATCAGATGTTCCCTTCCAGATCAAAAACAAAGAGGTTGAAG 515
Db 2555 AACAAAACATTGAGAGCAGATCAGATGTTCCCTTCCAGATCAAAAACAAAGAGGTTGAAG 2614
QY 516 AAAATTCTTGGATTTCTGAGAGTCTCCGTGAGACTGTTTTCACAGAAGATGTGTGTACTG 575
Db 2615 AAAATTCTTGGATTTCTGAGAGTCTCCGTGAGACTGTTTTCACAGAAGATGTGTGTACTG 2674
QY 576 CCAAGGCTACACATCAAAAAGAAATGGATAAATAAGTGGAAATTTAGAAGATTCAACTA 635
Db 2675 CCAAGGCTACACATCAAAAAGAAATGGATAAATAAGTGGAAATTTAGAAGATTCAACTA 2734
QY 636 GCCTATCAAAAATCTTTGGATACAGTTCAATCTTTGTGAAAGCAAGGGAACCTTCAAAAAG 695
Db 2735 GCCTATCAAAAATCTTTGGATACAGTTCAATCTTTGTGAAAGCAAGGGAACCTTCAAAAAG 2794
QY 696 ATCACTGTGAACAAGCTACAGAAATAATGGAACAAATGAAAGAAGTTTGTGTACTGA 755
Db 2795 ATCACTGTGAACAAGCTACAGAAATAATGGAACAAATGAAAGAAGTTTGTGTACTGA 2854
QY 756 AAAAGAACTGTGCAAGCAAAA 778
Db 2855 AAAAGAACTGTGCAAGCAAAA 2877

RESULT 6

US-10-076-622-566

; Sequence 566, Application US/10076622

; Publication No. US20030023036A1

; GENERAL INFORMATION:

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Sleath, Paul R.

; APPLICANT: Persing, David H.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.470C11

; CURRENT APPLICATION NUMBER: US/10/076,622

; CURRENT FILING DATE: 2002-02-13

; NUMBER OF SEQ ID NOS: 627

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 566

; LENGTH: 4047

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-076-622-566

Query Match 93.3%; Score 727; DB 14; Length 4047;

Best Local Similarity 98.7%; Pred. No. 1.9e-171;

Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 95
Db 2135 CCTTCGAGCCTGCCATTTGAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTGAAGA 2194
QY 96 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAAATCCAAACAAAGAGCTATG 155
Db 2195 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAAATCCAAACAAAGAGCTATG 2254
QY 156 AAGAAAGTTCTTGGATTTCTGAGACTCTCTGTGAGACTGTTTTCACAGAGGATGTGTGT 215
Db 2255 AAGAAAGTTCTTGGATTTCTGAGACTCTCTGTGAGACTGTTTTCACAGAGGATGTGTGT 2314
QY 216 TACCAAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATTTAGAGAGGCTCTC 275
Db 2315 TACCAAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATTTAGAGAGGCTCTC 2374
QY 276 CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG 335
|||||


```

; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: East Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 333
; LENGTH: 4458
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-177-293-333

```

Query Match	93.3%;	Score 727;	DB 15;	Length 4458;
Best Local Similarity	98.7%;	Pred. No. 2e-171;		
Matches 733; Conservative	0;	Mismatches 10;	Indels 0;	Gaps 0;
Qy	36	CCATTTAGCCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATGGAAGA	95	
Db	2210	CCTTGAGCCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAAATGGAAGA	2269	
Qy	96	ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAATCAAAACAAAAGGACTATG	155	
Db	2270	ATGAACAAACATTGAGAGCAGATGAGATACCTCCCATCAGAATCAAAACAAAAGGACTATG	2329	
Qy	156	AAGAAAGTCTTTGGGATTTCTGAGAGTCTCTGTGAGACTGTGTTTCACAGAAGATGTGTGT	215	
Db	2330	AAGAAAGTCTTTGGGATTTCTGAGAGTCTCTGTGAGACTGTGTTTCACAGAAGATGTGTGT	2389	
Qy	216	TACCCAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATAATTAGNAGGCTCTC	275	
Db	2390	TACCCAGGCTACACATCAAAAAGAAATAGATAAATAAATGGAATAATTAGNAGGCTCTC	2449	
Qy	276	CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG	335	
Db	2450	CTGATAATGATGGTTTCTGAAGGCTCCCTGCAGATGAAAGTTTCTATTCCAACTAAAG	2509	
Qy	336	CCTTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAAGGCCATCTCGCCT	395	
Db	2510	CCTTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAAGGCCATCTCGCCT	2569	
Qy	396	TCGAGCCCTGCCATTGAAATGCAAAAGTCTGTGTTCCAAATAAAGCCTTGGAAATGGAAGATG	455	
Db	2570	TCGAGCCCTGCCATTGAAATGCAAAAGTCTGTGTTCCAAATAAAGCCTTGGAAATGGAAGATG	2629	
Qy	456	AACAAACATTGAGAGCAGATCAGATGTTTCCCTTCCAGAATCAAAACAAAAGGTTTCAAG	515	
Db	2630	AACAAACATTGAGAGCAGATCAGATGTTTCCCTTCCAGAATCAAAACAAAAGGTTTCAAG	2689	
Qy	516	AAAAATCTTGGGATTTCTGAGAGTCTCCGTGAGACTGTGTTTCACAGAAGGATGTGTGTGATC	575	
Db	2690	AAAAATCTTGGGATTTCTGAGAGTCTCCGTGAGACTGTGTTTCACAGAAGGATGTGTGTGATC	2749	

Qy	576	CCAAGGCTCACATCAAAAAGAAATGGATAAAATAAGTGGAAATATTAGAAAGATTCAACTA	635
Db	2750	CCAAGGCTCACATCAAAAAGAAATGGATAAAATAAGTGGAAATATTAGAAAGATTCAACTA	2809
Qy	636	GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTGAAGAGCAGCGGAACCTTCAAAAAG	695
Db	2810	GCCTATCAAAAATCTTGGATACAGTTCATTCTTTGTGAAGAGCAGCGGAACCTTCAAAAAG	2869
Qy	696	ATCACTGTGAACACGTCACAGGAAAAATGGACAAAATGAAAAAGAAAGTTTGTGTACTGA	755
Db	2870	ATCACTGTGAACACGTCACAGGAAAAATGGAACAAAATGAAAAAGAAAGTTTGTGTACTGA	2929
Qy	756	AAAAGAAACTGTGAGAGCAAAA	778
Db	2930	AAAAGAAACTGTGAGAGCAAAA	2952

RESULT 11

```

US-10-124-805-564
; Sequence 564, Application US/10124805
; Publication No. US20030166022A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 564
; LENGTH: 4458
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-124-805-564

```

Query Match	93.3%;	Score 727;	DB 16;	Length 4458;
Best Local Similarity	98.7%;	Pred. No. 2e-171;		
Matches 733;	Conservative 0;	Mismatches 10;	Indels 0;	Gaps 0;
Qy	36	CCATTTAGCGCTGCATTGAAATGCAAAAGCTGTGTTCCAAATAAAGCCTTGGAAATTCGAAGA	95	
Db	2210	CCTTCAGCGCTGCATTGAAATGCAAAAGCTGTGTTCCAAATAAAGCCTTGGAAATTCGAAGA	2269	
Qy	96	ATGAACAAACATTGTAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAAGGACTATG	155	
Db	2270	ATGAACAAACATTGTAGAGCAGATGAGATACTCCCATCAGAATCCAAACAAAAGGACTATG	2329	
Qy	156	AAGAAAGTTCTTGGGAATCTGAGAGTCTCTGTGAGACTGTTTCA CAGAAGATGTGTGTT	215	
Db	2330	AAGAAAGTTCTTGGGAATCTGAGAGTCTCTGTGAGACTGTTTCA CAGAAGATGTGTGTT	2389	
Qy	216	TACCCAAAGGCTACACATCAAAAGAAATAGATAAAATAAATGCAAAATTTAGAAAGGCTCTC	275	
Db	2390	TACCCAAAGGCTACACATCAAAAGAAATAGATAAAATAAATGCAAAATTTAGAAAGGCTCTC	2449	
Qy	276	CTGTTAAAGATGCTTCTGAAAGGCTTAACCTGGCGAATGAAAGTTTCTATTCCAACTAAAG	335	
Db	2450	CTGATAATGATGTTTCTGAAAGGCTCCCTGCAGAAATGAAGTTTCTATTCCAACTAAAG	2509	
Qy	336	CCTTAGAATGTAGACATGCAAACTTTCAAAGCAGAGCCTCCCGAAGAGCCATCTGCGCT	395	
Db	2510	CCTTAGAATGTAGACATGCAAACTTTCAAAGCAGAGCCTCCCGAAGAGCCATCTGCGCT	2569	
Qy	396	TCGAGCGCTGCCATTGAAATGCAAAAGCTGTGTTCCAAATAAAGCCTTGGAAATTCGAAGAATG	455	
Db	2570	TCGAGCGCTGCCATTGAAATGCAAAAGCTGTGTTCCAAATAAAGCCTTGGAAATTCGAAGAATG	2629	
Qy	456	AAACAAACATTGTAGAGCAGATCAGATGTTCCCTTCCAGATCAAAACAAAAGAGGTTGAAG	515	


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; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (100)...(4125)
US-10-855-588-33

Query Match      93.3%; Score 727; DB 21; Length 4458;
Best Local Similarity 98.7%; Pred. No. 2e-171;
Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCTGCCATTGAAATCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATCAAGA 95
   |||
Db 2210 CCTTCAGCTGCCATTGAAATCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATCAAGA 2269
   |||

QY 96 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAATCCAAACAAAGGACTATG 155
   |||
Db 2270 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAATCCAAACAAAGGACTATG 2329
   |||

QY 156 AAGAAAGTTCTGGGATCTGAGAGTCTCTGTGAGACTGTTTTCACAGAAAGGATGTGTGT 215
   |||
Db 2330 AAGAAAGTTCTGGGATCTGAGAGTCTCTGTGAGACTGTTTTCACAGAAAGGATGTGTGT 2389
   |||

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATGAATGAAATTTAGAGGCTCTC 275
   |||
Db 2390 TACCCAGGCTACACATCAAAAGAAATAGATAAAATGAATGAAATTTAGAGAGTCTC 2449
   |||

QY 276 CTGTTAAAGATGCTCTTCTGAAGGCTAACTCGCGGAATGAAAGTTTCTATTCCAACCTAAAG 335
   |||
Db 2450 CTGATAATGATGGTTTCTGAAGGCTCCCTGCAGATGAAAGTTTCTATTCCAACCTAAAG 2509
   |||

QY 336 CTTTAGAATTTGATGACATGCAAACTTTTCAAGCAGAGCTCCCGAAGAGCCATCTGCCT 395
   |||
Db 2510 CTTTAGAATTTGATGACATGCAAACTTTTCAAGCAGAGCTCCCGAAGAGCCATCTGCCT 2569
   |||

QY 396 TCGAGCTCCCATTTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGA 455
   |||
Db 2570 TCGAGCTCCCATTTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGA 2629
   |||

QY 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAACAAAGAGGTTGAAG 515
   |||
Db 2630 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAACAAAGAGGTTGAAG 2689
   |||

QY 516 AAAATTTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTTCACAGAAAGGATGTGTGTAC 575
   |||
Db 2690 AAAATTTCTTGGGATCTGAGAGTCTCCGTGAGACTGTTTTCACAGAAAGGATGTGTGTAC 2749
   |||

QY 576 CCAAGGCTACACATCAAAAGAAATGAGATAAAATAGTGGAAATTTAGAGATTTCAACTA 635
   |||
Db 2750 CCAAGGCTACACATCAAAAGAAATGAGATAAAATAGTGGAAATTTAGAGATTTCAACTA 2809
   |||

QY 636 GCCTATCAAAATCTTTGGATACAGTTTCATTTTGTGAAAGAGCAAGGGAACCTTCAAAAAG 695
   |||
Db 2810 GCCTATCAAAATCTTTGGATACAGTTTCATTTTGTGAAAGAGCAAGGGAACCTTCAAAAAG 2869
   |||

QY 696 ATCACTGTGAACAAACGTCAGGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAA 755
   |||
Db 2870 ATCACTGTGAACAAACGTCAGGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAA 2929
   |||

QY 756 AAAAGAACTGTGAGAGCAAAA 778
   |||
Db 2930 AAAAGAACTGTGAGAGCAAAA 2952
   |||
```

RESULT 14

```
US-10-729-340C-31
; Sequence 31, Application US/10729340C
; Publication No. US20050063981A1
; GENERAL INFORMATION:
; APPLICANT: Jager, Dirk
; APPLICANT: Stockert, Elizabeth
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gure, Ali
```

```
; APPLICANT: Knuth, Alexander
; APPLICANT: Old, Lloyd
; APPLICANT: Chen, Yao-tseng
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated Antig
; TITLE OF INVENTION: Antigens Per Se, and Uses Thereof
; FILE REFERENCE: LUD 5793.1
; CURRENT APPLICATION NUMBER: US/10/729,340C
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/430,869
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: US 10/181,663
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: US 09/602,362
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: US 09/451,739
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 31
; LENGTH: 6297
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-729-340C-31

Query Match      93.3%; Score 727; DB 21; Length 6297;
Best Local Similarity 98.7%; Pred. No. 2.4e-171;
Matches 733; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 36 CCATTTAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGA 95
   |||
Db 2279 CTTTCAGGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGA 2338
   |||

QY 96 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAATCCAAACAAAGGACTATG 155
   |||
Db 2339 ATGAACAAACATTGAGAGCAGATGAGATCTCCCATCAGAATCCAAACAAAGGACTATG 2398
   |||

QY 156 AAGAAAGTTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTTCACAGAGGATGTGTGT 215
   |||
Db 2399 AAGAAAGTTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTTCACAGAGGATGTGTGT 2458
   |||

QY 216 TACCCAGGCTACACATCAAAAGAAATAGATAAAATGAATGAAATTTAGAAAGGCTCTC 275
   |||
Db 2459 TACCCAGGCTACACATCAAAAGAAATAGATAAAATGAATGAAATTTAGAAAGGCTCTC 2518
   |||

QY 276 CTGTTAAAGATGCTCTTCTGAAGGCTAACTCGGGAATGAAAGTCTTCTATTCCAACCTAAAG 335
   |||
Db 2519 CTGATAATGATGGTTTCTGAAGGCTCCCTTCAGAAATGAAAGTCTTCTATTCCAACCTAAAG 2578
   |||

QY 336 CTTTAGAATTTGATGACATGCAAACTTTTCAAGAGAGAGCTCCCGAAGAGCCATCTGCCT 395
   |||
Db 2579 CTTTAGAATTTGATGACATGCAAACTTTTCAAGAGAGAGCTCCCGAAGAGCCATCTGCCT 2638
   |||

QY 396 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGAAATG 455
   |||
Db 2639 TCGAGCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAAATTTGAAGAAATG 2698
   |||

QY 456 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAACAAAGAGGTTGAAG 515
   |||
Db 2699 AACAAACATTGAGAGCAGATCAGATGTTCCCTTTCAGAAATCAAAACAAAGAGGTTGAAG 2758
   |||

QY 516 AAAATTTCTTGGGATTTCTGAGAGTCTCCGTGAGACTGTTTTCACAGAGGATGTGTGTAC 575
   |||
Db 2759 AAAATTTCTTGGGATTTCTGAGAGTCTCCGTGAGACTGTTTTCACAGAGGATGTGTGTAC 2818
   |||

QY 576 CCAAGGCTACACATCAAAAGAAATGGAATAAAATAGTGGAAATTTAGAAAGATTTCAACTA 635
   |||
Db 2819 CCAAGGCTACACATCAAAAGAAATGGAATAAAATAGTGGAAATTTAGAAAGATTTCAACTA 2878
   |||

QY 636 GCCTATCAAAATCTTTGGATACAGTTTCATTTTGTGAAAGAGCAAGGGAACCTTCAAAAAG 695
   |||
Db 2879 GCCTATCAAAATCTTTGGATACAGTTTCATTTTGTGAAAGAGCAAGGGAACCTTCAAAAAG 2938
   |||

QY 696 ATCACTGTGAACAAACGTCAGGAAATGGAACAAATGGAACAAATGGAACAAATGGAACAA 755
   |||
```

Db 2939 ATCACTGTGAACAACGTCACAGAAAAATGGAACAAAATGGAACAAAATGGAAGATTTTGTGTACTGA 2998
Qy 756 AAAAGAAACTGTGAGAACAAAA 778
Db 2999 AAAAGAAACTGTGAGAACAAAA 3021

RESULT 15

US-09-834-759-491
; Sequence 491, Application US/09834759
; Publication No. US20020085998A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 491
; LENGTH: 2232
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-834-759-491

Query Match 93.2%; Score 725.8; DB 9; Length 2232;
Best Local Similarity 98.3%; Pred No. 2.9e-171;
Matches 730; Conservative 3; Mismatches 10; Indels 0; Gaps 0;
Qy 36 CCATTAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAATTTGAAGA 95
Db 1373 CCTTCGAGCCTGCCATTGAAATGCAAAAGTCGTGTTCCAAATAAAGCCTTGGAATTTGAAGA 1432
Qy 96 ATGAACAAACATGTGAGCAGATGAGATACCTCCATCAGATCCAAACAAAGGACTATG 155
Db 1433 ATGAACAAACATGTGAGCAGATGAGATACCTCCATCAGATCCAAACAAAGGACTATG 1492
Qy 156 AAGAAAGTTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 215
Db 1493 AAGAAAGTTCTTGGGATCTGAGAGTCTCTGTGAGACTGTTTCACAGAGGATGTGTGT 1552
Qy 216 TACCAAGGCTACATCAAAAAGAAATAGATAAAATAATGGAATAATAGAAAGGTCTC 275
Db 1553 TACCAAGGCTRCATCAAAAAGAAATAGATAAAATAATGGAATAATAGAAAGGTCTC 1612
Qy 276 CTGTTAAGATGGTCTTCTGAGGCTTAAGTGGGATGAAAGTTCTATTCGAAGTAAAG 335
Db 1613 CTGATAATGATGGTCTTCTGAGGCTCCCTGCAGAAATGAAAGTTCTATTCGAAGTAAAG 1672
Qy 336 CCTTAGAATTGATGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAGCCATCTGCCT 395
Db 1673 CCTTAGAATTGATGACATGCAAACTTTCAAAGCAGAGCTCCCGAGAGCCATCTGCCT 1732
Qy 396 TCGAGCCTGCCATTGAAATGCAAAAAGTCTGTTCCAAATAAAGCCTTGGAATTTGAAGAATG 455
Db 1733 TCGAGCCTGCCATTGAAATGCAAAAAGTCTGTTCCAAATAAAGCCTTGGAATTTGAAGAATG 1792
Qy 456 AACAAACATTGAGCAGATCAGATGTTCCCTTCAGATCAAAACAAAGAGGTTGAAG 515
Db 1793 AACAAACATTGAGCAGATCAGATGTTCCCTTCAGATCAAAACAAAGAGGTTGAAG 1852
Qy 516 AAAATTTCTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 575
Db 1853 AAAATTTCTGGGATCTGAGAGTCTCCGTGAGACTGTTTCACAGAGGATGTGTGTAC 1912
Qy 576 CCAAGGCTACATCAAAAAGAAATGGATATAAATAAGTGGAAAAATTAGAAGATTCAACTA 635

Db 1913 CCAAGGCTACACATCAAAAAGAAATGGATAAAAATAGTGGAATAATTAAGAGATTCAACTA 1972
Qy 636 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAGAGCAAGCAACTTCAAAAAG 695
Db 1973 GCCTATCAAAAATCTTGGATACAGTTCATTCTTGTGAAGAGCAAGCAACTTCAAAAAG 2032
Qy 696 ATCACTGTGAACAACGTCACAGAAAAATGGAACAAAATGAAAAAGAAAGTTTGTGTACTGA 755
Db 2033 ATCACTGTGAACAACGTCACAGAAAAATGGAACAAAATGAAAAAGAAAGTTTGTGTACTGA 2092
Qy 756 AAAAGAAACTGTGAGAACAAAA 778
Db 2093 AAAAGAAACTGTGAGAACAAAA 2115

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